

HIV Monoclonal Antibodies

Table 5: Protease

MAb ID	Location	WEAU	Sequence	Neutralizing	ImmunoGen	Species(Isotype)
128 8G5	Pro(38-45 HXB2)	RT(94-101)	LPGRWKP	N	r Protease	hamster(IgG)
	References: [Croix et al.(1993)]					
NOTES:						
	• 8G5: Binds to MSLPGRWKP with slightly higher affinity [Croix et al.(1993)]					
129 13E1	Pro(38-45 HXB2)	RT(94-101)	LPGRWKP	N	r Protease	hamster(IgG)
	References: [Croix et al.(1993)]					
NOTES:						
	• 13E1: Binds to MSLPGRWKP with slightly higher affinity [Croix et al.(1993)]					
130 8B11	Pro(38-45 HXB2)	RT(94-101)	LPGRWKP	N	r Protease	hamster(IgG)
	References: [Croix et al.(1993)]					
NOTES:						
	• 8B11: Binds to MSLPGRWKP with slightly higher affinity [Croix et al.(1993)]					
131 8C10	Pro(38-45 HXB2)	RT(94-101)	LPGRWKP	N	r Protease	hamster(IgG)
	References: [Croix et al.(1993)]					
NOTES:						
	• 8C10: Binds to MSLPGRWKP with slightly higher affinity [Croix et al.(1993)]					
132 10E7	Pro(38-45 HXB2?)	RT(92-102)	MSLPGRWKP	N	r Protease	hamster(IgG)
	References: [Croix et al.(1993)]					
NOTES:						
	• 10E7: Immnodominant region of protease in Armenian hamster (but only weakly reactive in people, see: [Bjorling et al.(1992)]) – peptide MSLPGRWKP blocks protease binding [Croix et al.(1993)]					
133 F11.2.32	Pro(36-46 BH10)	RT(92-102)	MSLPGRWKP	r BH10 Protease		murine(IgG _{1,k})
	References: [Lescar et al.(1996), Lescar et al.(1997)]					
NOTES:						
	• F11.2.32: Binding leads to significant inhibition in proteolytic activity – crystal structure of Fab-peptide was determined to 2.2 Åresolution – bound peptide shows no structural similarity to the corresponding segment in native protease suggesting binding may distort protein structure [Lescar et al.(1997)]					